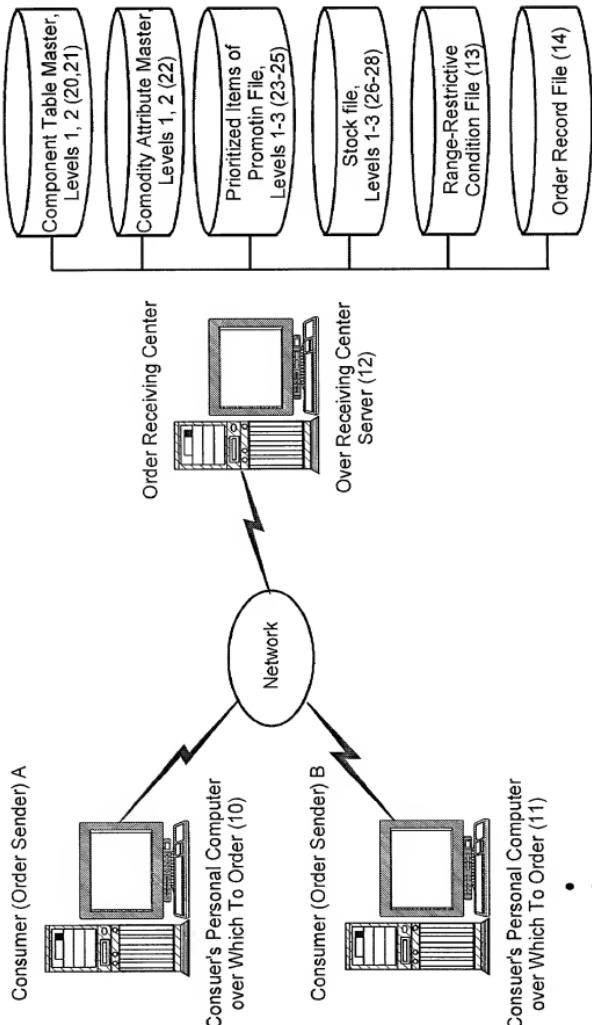


**FIG.1**

System Configuration



**FIG.2** Conditions Information to be Furnished by the Consumer, Based on Which the System Creates a Menu for Foodstuff Selection (15)

Family make-up	Two adults with one child		
Restrictions on diets	Allergic   Low salt   Low calorie		
Period that I want menu displayed for order	2nd to 3rd weeks of June		
Kind of food	Japanese   Western   Chinese   Vegetarian		
Preparation level	Full prepared (Level 1) Foodstuff Set (Level 2) Discrete Foodstuff (Level 3)		
Price/quality rank of order	High   Middle   Low		

**FIG.3** Stock Table, Level 1 (20)

Level 1 Commodity ID	Level 1 Commodity Name	Stock quantity
1100	Sukiyaki A	100
1101	Sukiyaki B	0
:	:	:
1200	Shab-shab, beef A	45
1201	Shab-shab, beef B	11
:	:	:
1300	Shab-shab, pork A	45
:	:	:

**FIG.4** Stock Table, Level 2 (21)

Level 2 Commodity ID	Level 2 Commodity Name	Stock quantity
11001	Foodstuff Set for Sukiyaki A	10
11011	Foodstuff Set for Sukiyaki B	70
:	:	:
12001	Foodstuff Set for Shab-shab, beefA	80
12011	Foodstuff Set for Shab-shab, beefB	0
:	:	:
13001	Foodstuff Set for Shab-shab, porkA	80
:	:	:

**FIG.5**

Stock Table, Level 3 (22)

Level 3 Commodity ID	Level 3 Commodity Name	Stock quantity
110011	Slices of Matsuzaka beef meat	300
:	:	:
110021	Slices of high-grade beef meat	0
:	:	:
120021	Welsh onion pieces	1000
:	:	:
130011	Kurobuta pork loin	500
:	:	:
140011	Cabbage	100

**FIG.6**

Prioritized Items of Promotion Table, Level 1 (23)

Level 1 Commodity ID	Level 1 Commodity Name	Category/points of prioritized items of promotion		
		Excessive stock	Sales campaign	Promotion points
1100	Sukiyaki A	-	7	7
1101	Sukiyaki B	-	2	2
:	:	:	:	:
1200	Shab-shab, beefA	-	-	-
1201	Shab-shab, beefB	-	-	-
:	:	:	:	:
1300	Shab-shab, porkA	-	-	-
:	:	:	:	:

**FIG.7**

Prioritized Items of Promotion Table, Level 2 (24)

Level 2 Commodity ID	Level 2 Commodity Name	Category/points of prioritized items of promotion		
		Excessive stock	Sales campaign	Promotion points
11001	Foodstuff Set for Sukiyaki A	-	-	-
11011	Foodstuff Set for Sukiyaki B	-	-	-
:	:	:	:	:
12001	Foodstuff Set for Shab-shab, beefA	-	-	-
12011	Foodstuff Set for Shab-shab, beefB	1	2	3
:	:	:	:	:
13001	Foodstuff Set for Shab-shab, porkA	-	-	-
:	:	:	:	:

**FIG.8**

Prioritized Items of Promotion Table, Level 3 (25)

Level 3 Commodity ID	Level 3 Commodity Name	Category/points of prioritized items of promotion		
		Excessive stock	Sales campaign	Promotion points
110011	Slices of Matsuzaka beef meat	-	5	5
110021	Slices of high-grade beef meat	-	-	-
:	:	:	:	:
120021	Welsh onion pieces	-	2	2
:	:	:	:	:
130011	Kurobuta pork loin	1	-	1
:	:	:	:	:
140011	Cabbage	-	-	-
	:	:	:	:

**FIG.9**

Component Table, Level 1 (Full-Prepared) (26)

Level 1 Component ID	Level 1 Component Name	Level 2 Component ID	Level 2 Component Name	A portion per person
1100	Sukiyaki A	11001	Foodstuff Set for Sukiyaki A :	One lot :
1101	Sukiyaki B	11011	Foodstuff Set for Sukiyaki B :	One lot :
1200	Shab-shab, beef A	12001	Foodstuff Set for Shab-shab, beef A :	One lot :
:	:	:	:	:
1300	Shab-shab, pork A	13001	Foodstuff Set for Shab-shab, pork A :	One lot :
:	:	:	:	:

**FIG.10**

Component Table, Level 2 (Foodstuff Set) (27)

Level 2 Component ID	Level 2 Component Name	Level 3 Component ID	Level 3 Component Name	A portion per person
11001	Foodstuff Set for Sukiyaki A	110011 120021	Slices of Matsuzaka beef meat Welsh onion pieces :	200g as a whole one :
11011	Foodstuff Set for Sukiyaki B	110021 120021	Slices of high-grade beef meat Welsh onion pieces :	200g as a whole one :
:	:	:	:	:
12001	Foodstuff Set for Shab-shab, beef A :	110011 140011	Slices of Matsuzaka beef meat Cabbage :	200g for a whole one :
:	:	:	:	:
13001	Foodstuff Set for Shab-shab, pork A :	130011 140011	Kurobuta pork loin Cabbage :	200g for a whole one :
:	:	:	:	:

**FIG.11**

Commodity Attribute Master, Level 1 (Full-Prepared) (28)

Level 1 Component ID	Level 1 Commodity Name	Kind of food	Restrictions on diets	Price/quality rank
1100	Sukiyaki A	Japanese	-	High
1101	Sukiyaki B	Japanese	-	Middle
:	:	:	:	:
1200	Shab-shab, beef A	Japanese	-	High
1201	Shab-shab, beef B	Japanese	-	Middle
:	:	:	:	:
1300	Shab-shab, pork A	Japanese	-	High
:	:	:	:	:

**FIG.12**

Range-Restrictive Condition Table (29)

Condition	Order placed very lately	Order record (season-basis)	Offered for sale
1	x	o	o
2	x	x	x
3	o	o	x
4	o	x	x

**FIG.13**

Order record File (30)

Customer ID	Customer Name	Delivery date	Search condition		Level 1 Component ID	Level 1 Commodity Name	
			Preparation level	Kind of food			
			Japanese	High	12001	Shab-shab, beef A	

1320

**FIG.14**

Order Candidates To Be Offered in a Menu as Information Obtained by File Search

Level 2 Component ID	Level 2 Component Name	Promotion points	Level 3 Component ID	Level 3 Component Name	A portion per person
11011	Sukiyaki A	7	110011	Slices of high-grade beef	200g
			120021	Welsh onion pieces	for a whole one
:	:	:	:	:	:
13001	Shab-shab, pork A	1	130011	Kurobuta pork loin	200g
			140011	Cabbage	as a whole one
					:
					:

Prioritized Items of Promotion Table, Level 3, Updated

Level 3 Commodity ID	Level 3 Commodity Name	Category/points of prioritized items of promotion		
		Excessive stock	Sales campaign	Promotion point
110011	Slices of Matsuzaka beef meat	-	2	2
110021	Slices of high-grade beef meat	-	-	-
:	:	:	:	:
120021	Welsh onion pieces	-	-	-
:	:	:	:	:
130011	Kurobuta pork loin	-	5	5
:	:	:	:	:
140011	Cabbage	-	-	-
:	:	:	:	:

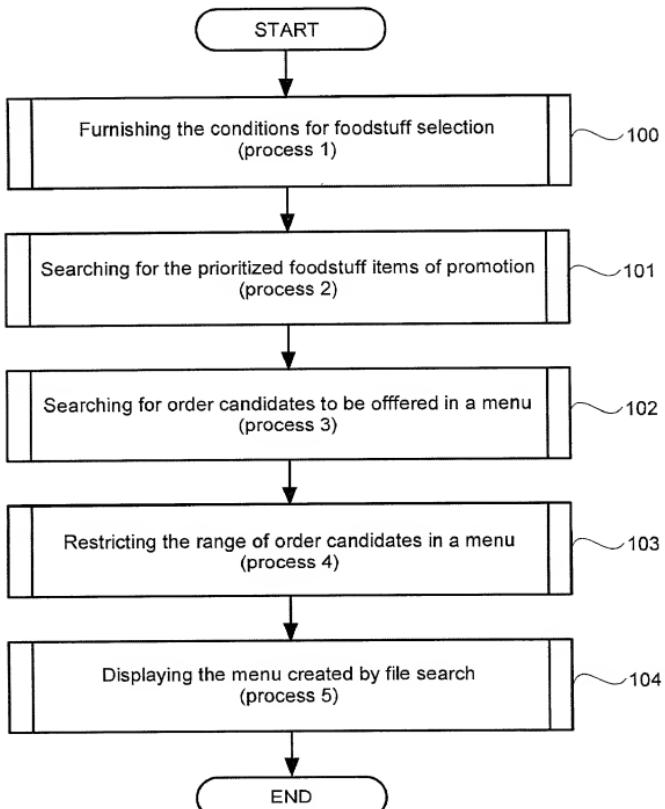
Order Candidates To Be Offered in a Menu as Information Obtained by File Search, Updated

Level 2 Component ID	Level 2 Component Name	Promotion points	Level 3 Component ID	Level 3 Component Name	A portion per person
13001	Shab-shab, pork A	5	130011	Kurobuta pork loin	200g as a whole one
:	:	:	140011	Cabbage	200g as a whole one
11011	Sukiyaki A	2	110011	Slices of Matsuzaka meat	200g for a whole one
:	:	:	120021	Welsh onion pieces	200g for a whole one

**FIG.15****FIG.16**

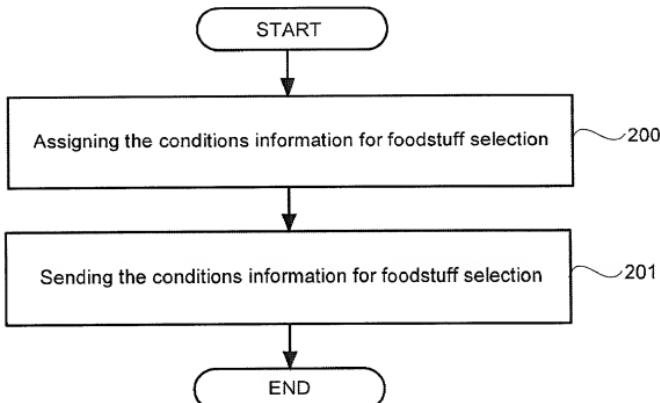
# FIG.17

Main Flowchart



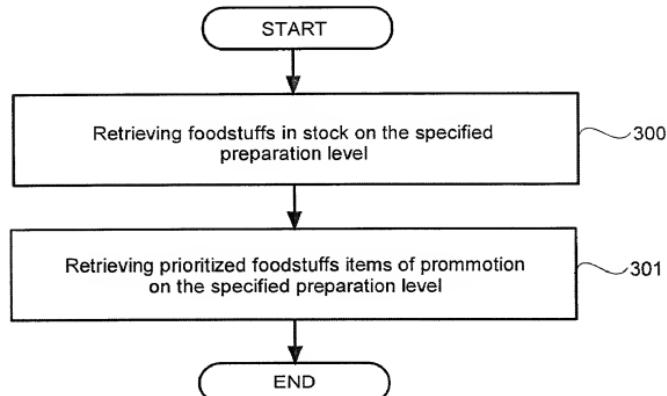
## FIG.18

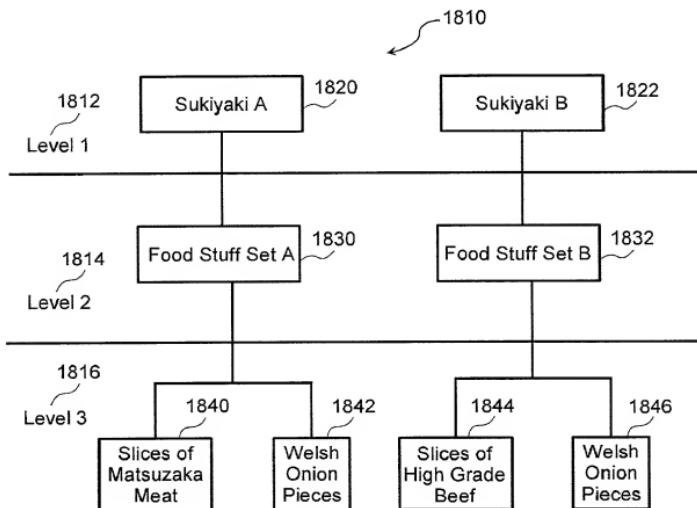
Furnishing the Conditions for Foodstuff Selection (Process 1)



## FIG.19

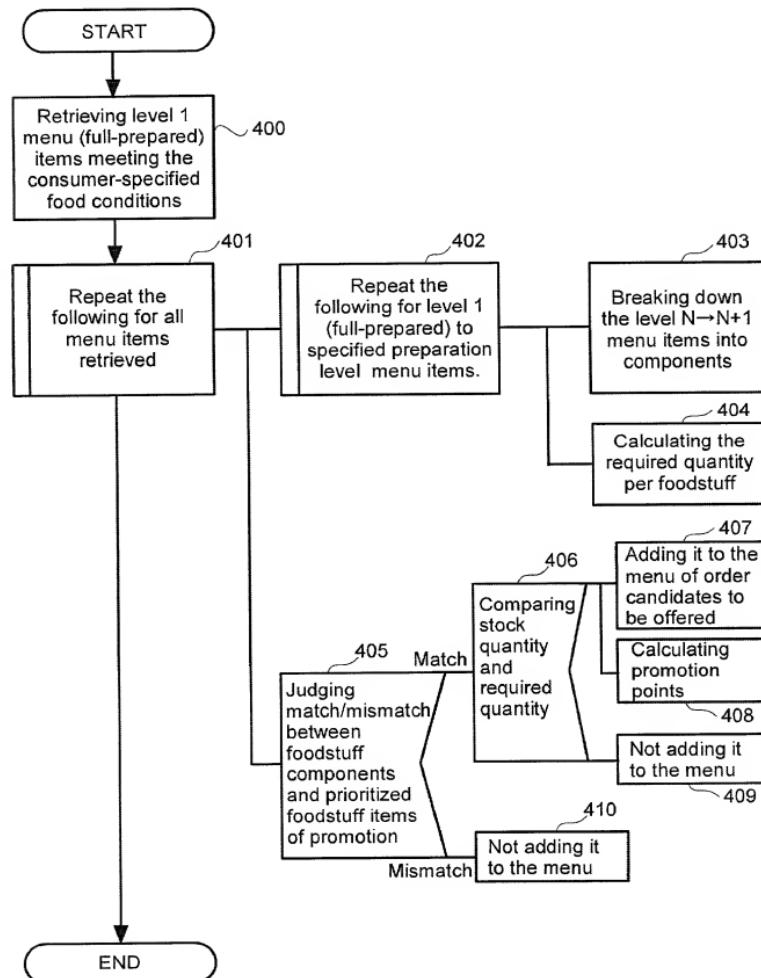
Searching for the Prioritized Foodstuff Items of Promotion (Process 2)



**FIG.18A**

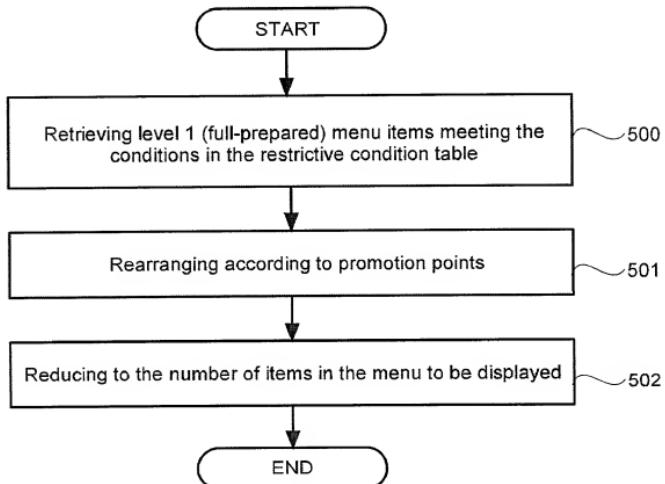
# FIG.20

Searching for Order Candidates To Be Offered in a Menu (Process 3)



## FIG.21

Flowchart of Restricting the Range of Order Candidates in a Menu (Process 4)



## FIG.22

Displaying the Menu Created by File Search (Process 5)

